



Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete if Known

Application Number	10/608,625
Confirmation Number	9860
Filing Date	June 30, 2003
First Named Inventor	Hiroyuki ASAKO
Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	Q76266

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
CJ		US 2003/0186400	A1	10-02-2003	Asako et al.
		US 4,455,373	A	06-19-1984	Higgins
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁴
		Country Code ³	Number ⁴	Kind Code ² (if known)			
CJ		EP	0 400 239	A1	12-05-1990	Daito Koeki Kabushiki Kaisha	
		EP	0 501 353	A2	09-02-1992	Takeda Chemical Industries, Ltd.	
		EP	0 967 271	A1	12-29-1999	Kaneka Corporation	
		EP	1 013 758	A2	06-28-2000	Daicel Chemical Industries, Ltd.	
		EP	1 201 647	A2	05-02-2002	Sumitomo Chemical Co., Ltd.	
		EP	1 213 354	A2	06-12-2002	Sumitomo Chemical Co., Ltd.	
CJ		JP	02-312593	A	12-27-1990	Daito Corp.	Abstract
		JP	2532299	B2	06-27-1996	Fuji Rebio	Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁴
CJ		U.S. Patent Application No. 10/608,533, to ASAKO et al., filed June 30, 2003	
		U.S. Patent Application No. 10/617,034, to ITOH et al., filed July 6, 11, 2003	
		ITOH et al., "Chiral alcohol production by NADH-dependent phenylacetaldehyde reductase coupled with <i>in situ</i> regeneration of NADA," <i>Eur. J. Biochem.</i> 269, 2002, pp. 2394-2402	
		ITOH et al., "Chiral alcohol production by B-ketoester reductase from <i>Penicillium citrinum</i> coupled with regeneration system of NADPH", <i>Journal of Molecular Catalysis B Enzymatic</i> , Vol. 22, No. 3-4, June 2, 2003, pp. 247-248	
		KOMETANI et al., "Baker's Yeast Mediated Bioreduction. A New Procedure Using Ethanol as an Energy Source", <i>Chemistry Letters</i> , 1989, pp. 1465-1466	
CJ		SPILIOTIS et al., "Enhanced Optical Purity of 3-Hydroxyesters Obtained by Baker's Yeast Reduction of 3-Ketoesters", <i>Tetrahedron Letters</i> , Vol. 31, No. 11, 1990, pp. 1615-1616	
		WEI et al., "Baker's yeast mediated mono-reduction of 1,3-cyclohexanediones bearing two identical C(2) substituents", <i>Tetrahedron: Asymmetry</i> , Vol. 12, 2001, pages 229-233	

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		Number	Kind Code ² (if known)		
LM		US 4,895,979	A	01-23-1990	Noyori et al.
		US 6,218,156	B1	04-17-2001	Yasohara et al.
		US 6,312,933	B1	11-06-2001	Kimoto et al.
		US 5,908,953	A	06-01-1999	Matsuda et al.
LM		US 2003/0134402	A1	07-17-2003	Asako et al.
		US			

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		Country Code ²	Number ⁴	Kind Code ³ (if known)			
LM		JP	10-94399	A	04-14-1998	SHINYA et al.	Partial
		JP	2566962	B2	10-03-1996	Denki Kagaku Kogyo KK	Abstract
		JP	01-222787	A	09-06-1989	Nippon Synthetic Chem. Ind. Co.	Abstract
		JP	60-251890	A	12-12-1985	Nippon Synthetic Chem. Ind. Co.	Abstract
		JP	63-123387	A	05-27-1988	Denki Kagaku Kogyo KK	Abstract
LM		JP	2001-294549	A	10-23-2001	Pfizer Prod. Inc.	Abstract

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LM		ITOH et al., "Production of chiral alcohols by enantioselective reduction with NADH-dependent phenylacetaldehyde reductase from <i>Corynebacterium stain</i> , ST-10", <i>Journal of Molecular Catalysis B: Enzymatic</i> , Vol. 6, 1999, pp. 41-50	
		ITOH et al., "Purification and Characterization of Phenylacetaldehyde Reductase from a Styrene-Assimilating <i>Corynebacterium</i> Strain, ST-10", <i>Applied and Environmental Microbiology</i> , Vol. 63, No. 10, October, 1997, pp. 3783-3788	
		WANG et al., "Cloning, sequence analysis, and expression in <i>Escherichia coli</i> of the gene encoding phenylacetaldehyde reductase from styrene-assimilating <i>Corynebacterium</i> sp. Strain ST-10", <i>Applied Microbiology Biotechnology</i> , Vol. 52, 1999, pp. 386-392	
		ITOH et al., "1465. Chiral alcohols production by enantioselective reduction with NADH-dependent phenylacetaldehyde reductase (PAR)", <i>Book of Abstracts, 2000 International Chemical Congress of Pacific Basin Societies</i> , December 14-19, 2000, p. 9	
LM		ITOH et al., "3Y7P7. Production of optically active alcohol by using a phenylacetaldehyde reductase (PAR) recombinant strain", <i>Nippon Nogeikagaku Kaishi</i> , Vol. 75, March 5, 2001, with translation of 3Y7P7	

Examiner Signature		Date Considered	12/14/03
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lg		ITOH et al., "3F302B. Analysis of the phenylacetaldehyde reductase (PAR) gene from styrene-assimilating <i>Corynebacterium</i> ", <i>Nippon Nogeikagaku Kaishi</i> , Vol. 74, March 5, 2000, with translation of 3F302B	
		ITOH et al., "3F303a. Production of optically active alcohol by using the phenylacetaldehyde reductase (PAR) from <i>Corynebacterium</i> sp. ST10", <i>Nippon Nogeikagaku Kaishi</i> , Vol. 74, March 5, 2000, with translation of 3F303a	
		ASAKO et al., "P214. Chiral Alcohol Production by β -Ketoester Reductase from <i>Penicillium citrinum</i> Coupled with Regeneration System of NADPH", <i>Chem. Lett.</i> 97, 6 th International Symposium on Biocatalysis and Biotransformations, June 28-July 3, 2003, p. 489	
		Lecture Summary Series of the 6 th Organism Catalyst Chemistry Symposium, December 12-13, 2002, p. 70, with partial English translation	
lg		Conference Lecture Summary Series, published March 5, 2003, 3A11a01, with partial English translation	

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